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80A 3524

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HIROSHI KOBAYASHI

Serial No: 10/769,112

Filed: January 30, 2004

For: WOODWORK DRILL BIT

Art Unit: 3722

Examiner: --

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, Applicant for the above-identified application hereby submits legible copies of the following relevant arts along with the Form PTO-1449 which contains the information required by 37 CFR 1.98(b):

A. Japanese Patent Application Laid-Open (Kokai) No. 2002-210708 published by the Japanese Patent Office on July 30, 2002; and

B. Japanese Utility Model Application Publication No. 6-50162 published by the Japanese Patent Office on December 21, 1994.

The above-listed prior art are not in the English language, but the concise explanation of relevance of these prior art is incorporated in the specification pursuant to 37 CFR 1.98(a)(3). Nonetheless, an English language abstract of prior art A is attached to the copy thereof. In addition, a further concise explanation of the relevance of each of these prior art is presented below pursuant to 37 CFR 1.1.98(a)(3):

Prior art A discloses a woodworking drill that has single spiral lead with a raked blade 3 at the tip end. The raked blade 3 extends from the outer circumference toward the center of the tip end of the drill, and a scribing blade 4 is formed at a position diametrically opposite from the

raked blade 3 so that the scribing blade 4 protrudes further than the raked blade 3. The drill is formed with a point screw 2 at the tip end.

Prior art B discloses a woodworking drill having a pair of leads 3 on the outer surface of a cylindrical drill main body. Cutting blades (chips) 2 are provided at the tip ends of the leads 3. With the cutting blades 2 at the tip ends of the leads 3, a cut of a small width can be made in a circular shape, and a portion not cut by the cutting blades 2 remains inside the cylindrical main body. Since the amount cut is small compared to the hole that is made by cutting, drilling (boring) is done efficiently, and a deep and large diameter hole can be made. The drill is used to, for instance, make a through hole in the center of a columnar wood material.

It is, therefore, hereby respectfully requested that the Patent Office make a record of these relevant arts and consider them during the examination.

Respectfully submitted,

Date: November 19, 2004

By: 

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

November 19, 2004

Date of Deposit

William L. Androlia

Name


Signature

11/19/2004

Date



FORM PTO-1449		Docket Number (Optional) 80A 3524		Application Number 10/769,112		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Kobayashi				
(Use several sheets if necessary)		Filing Date 1/30/2004		Group Art Unit 3722		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	JP 2002-210708	7/30/2002	Japan			
	JP 6-50162	12/21/1994	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER		DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						